



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of :

Michael SCHMIDT et al.

Group Art Unit: 1772

Serial No.: 09/986,770

Examiner: Not Assigned

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Filed: November 9, 2001

For: TETRAKISFLUOROALKYLBORATE SALTS AND THEIR USE AS
CONDUCTING SALTS

SUPPLEMENTAL PRELIMINARY AMENDMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Prior to initial examination, please amend the above-identified application as follows:

IN THE SPECIFICATION:

Please amend the specification as follows:

The last paragraph bridging pages 1 and 2 has been amended as follows:

31 Therefore, numerous attempts have been made to provide lithium salts having improved properties. Thus, US 4,505,997 and US 5,273,840 describe the use of lithium [tris(trifluoromethylsulfonyl)imide] or lithium [tris(trifluoromethylsulfonyl)methanide] salts as conducting salts in batteries. Both of these salts have high anodic stability, forming solutions of high conductivity with organic carbonates. However, lithium bis(trifluoromethylsulfonyl)imide has the drawback of insufficient passivation of the aluminum metal functioning as cathodic current conductor in lithium batteries. On the other hand, the production and purification of lithium tris(trifluoromethylsulfonyl)methanide is only possible with exceedingly high efforts, so that the use of this salt as conducting salt in batteries massively increases the production cost of such lithium batteries.